

Cynthia Morgan, Economist in EPA's [National Center for Environmental Economics](#)

Research Interests: Water and air quality regulations; economic incentives for pollution control; compliance/abatement costs and retrospective studies

Biography: Cynthia Morgan has been an economist at the National Center for Environmental Economics at the U.S. EPA since 1999. She provides economic analysis and expertise to support a wide range of policy actions, such as air quality standards for ozone and particulate matter and regulations affecting select sources of air pollution (e.g., residential wood heaters). She has supported efforts to collect information on pollution abatement control expenditures by industry, helped to lead efforts to report on the economic costs of Agency regulatory actions as required under Executive Order 13771, and she has authored several retrospective studies on the Agency's experience estimating the economic costs of compliance with selected regulations. Cynthia completed her BS in finance (1990) and an MA in economics (1994) at the University of North Carolina-Greensboro, and her PhD in applied economics at the University of Minnesota (1999).

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Recent [NCEE Working Papers](#):

"[Offset Markets for Nutrient and Sediment Discharges in the Chesapeake Bay Watershed: Policy Tradeoffs and Potential Steps](#)," (with Andy Manale, David Simpson and Glenn Sheriff), NCEE Working Paper, 2011-5.

"[Redesign of the 2005 Pollution Abatement Costs and Expenditure Survey](#)," (with Michael Gallagher and Ron Shadbegian), NCEE Working Paper, 2008-11.

Peer-Reviewed Publications:

"[Retrospective Cost Analyses of EPA Regulations: A Case Study Approach](#)," (with Elizabeth Kopits, Al McGartland, Carl Pasurka, Ronald Shadbegian, Nathalie Simon, David Simpson and Ann Wolverton), *Journal of Benefit-Cost Analysis*, 5(2), pp. 173-179, June 2014.

"[Ex Ante and Ex Post Cost Estimates of the Cluster Pulp and Paper MACT II Rule](#)," (with Carl Pasurka and Ronald Shadbegian), *Journal of Benefit-Cost Analysis*, 5(2), pp. 195-224, June 2014.

"[National primary drinking water regulation for arsenic: A retrospective assessment of costs](#)" (with Nathalie B. Simon), *Journal of Benefit-Cost Analysis*, 5(2), pp. 259-284, June 2014

"[Redesign of the 2005 Pollution Abatement Costs and Expenditure Survey](#)," (with Michael P. Gallaher, and Ronald J. Shadbegian), *Journal of Economic and Social Measurement*, 33(4), pp. 309-360, 2008.

"[Water Quality Trading in the United States: Trading Programs and One-time Offset](#)

[Agreements](#)," (with Ann Wolverton), *Water Policy*, 10(1), pp. 73-93, February 2008.

"[Host Community Compensation and Municipal Solid Waste Landfills](#)," (with Robin Jenkins, Kelly Maguire), *Land Economics*, 80(4), pp. 513-528, November 2004.

"[Tradable Permits for Controlling Nitrates in Groundwater at the Farm Level: A Conceptual Model](#)," (with J.S. Coggins and Vernon R. Eidman), *Journal of Agricultural and Applied Economics*, 32(2), pp. 249-258, August 2000.

"[Benefits of Water Quality Policies: The Chesapeake Bay](#)," (with Nicole Owens), *Ecological Economics*, 39(2), pp. 271-284, November 2001.

Select EPA and Other Publications:

"Cluster Rule and MACT II Rule," (co-authored with Carl Pasurka and Ron Shadbegian), Chapter 2 (pp. 24-65); and "National Primary Drinking Water Standard for Arsenic," Chapter 4 (pp. 115-179), (with Nathalie B. Simon) in [Retrospective Study of the Costs of EPA Regulations: A Report of Four Case Studies](#), National Center for Environmental Economics, Office of Policy, EPA 240-F-14-001, 2014.

"Benefits and Costs from Sulfur Dioxide Trading: A Distributional Analysis" (with Wayne Gray and Ron Shadbegian) in *Acid in the Environment: Lessons Learned and Future Prospects* (Gerald Visgilio and Diana Whitelaw, editors), Springer Science+Media, Inc. (2007).